

Lambdas-as-a-Service

Distributed Systems course project — A.Y. 2020-2021

Function-as-a-Service

“FaaS, or Function-as-a-Service, is a cloud-computing service that allows customers to execute code in response to events, without managing the complex infrastructure typically associated with building and launching microservices applications.”

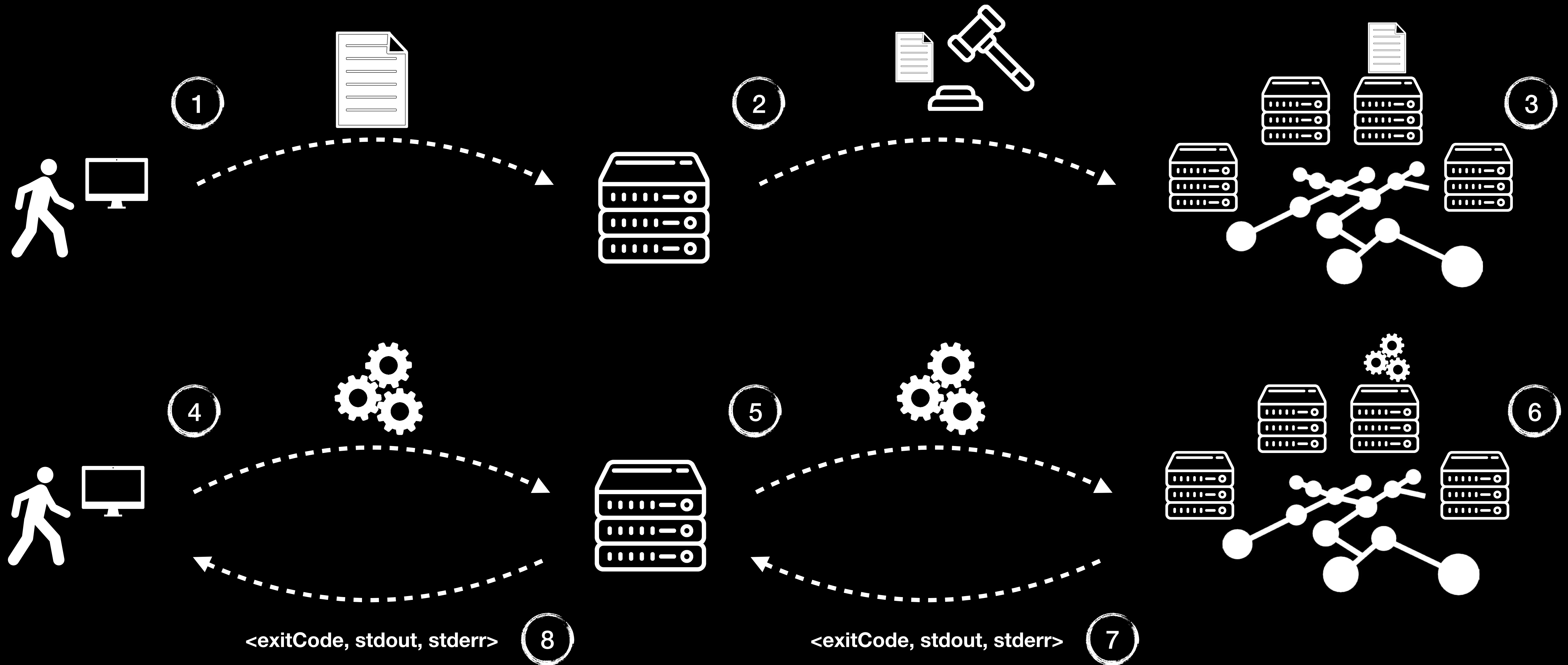
From “[What is FaaS \(Function-as-a-Service\)?](#)” — IBM Blog

“Pay only for the resources you use, when you use them: With FaaS, you pay only when an action occurs. When the action is done, everything stops —no code runs, no server idles, no costs are incurred. FaaS is, therefore, cost-effective [...].”

“Make each function perform only one action: FaaS functions should be designed to do a single piece of work in response to an event. Make your code scope limited, efficient, and lightweight so functions load and execute quickly.”

From “[What is FaaS \(Function-as-a-Service\)?](#)” — IBM Blog

Use case



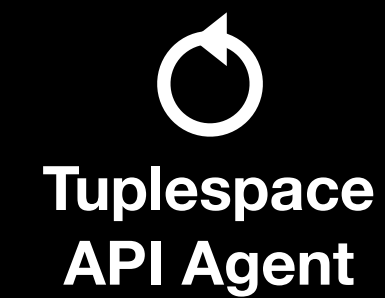
MAS Architecture

Environment

Primary component



Tuplespace



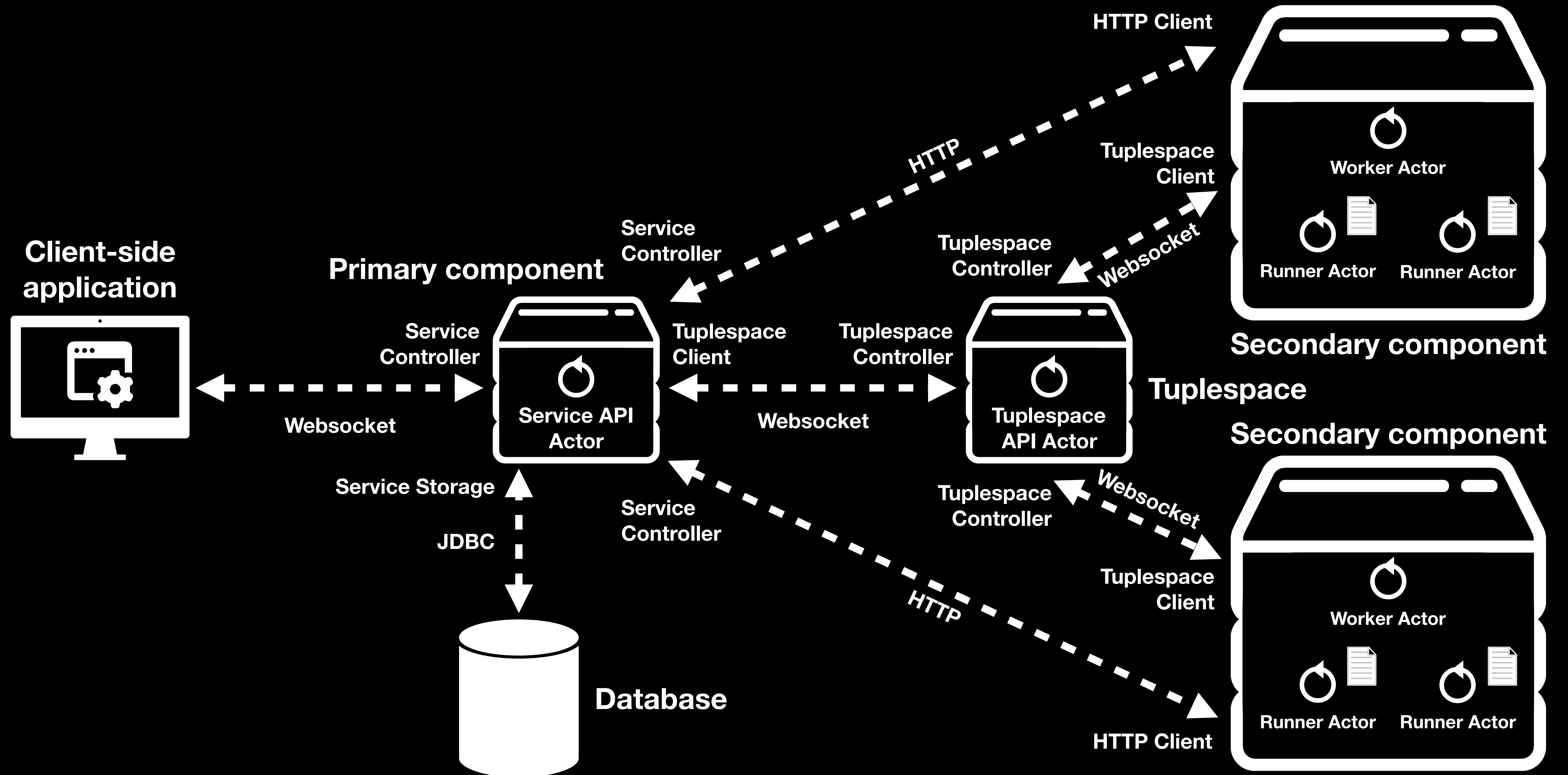
Secondary component



Secondary component



Deployment



Components' interactions

